

## REMARKS

Claims 1-20 are pending in this application. All pending claims have been finally rejected. Reconsideration and withdrawal of the objection and rejections are respectfully requested in view of the above amendments and remarks which follow.

A. RCE Addressed.

In response to the Final Office Action mail May 5, 2005, please enter the above amendments as part of the Request for Continued Examination filed herewith.

B. Rejection of Claims 1-17 under 35 USC § 102(b) Addressed.

Claims 1-17 stand rejected under 35 U.S.C. § 102(b) as anticipated by *Chen et al* (US Patent No. 6,005,377). This rejection is respectfully traversed in view of the above amendments.

Claim 1 has been amended to more properly claim the invention, with no new matter added thereby. Clear support for the amendment to claim 1 is found in the specification, inter alia, at page 5, lines 17-18 and in the drawings figures, particularly square wave "D" of FIG. 6b.

As amended, claim 1 is patentably distinguishable over *Chen* as it recites the following feature:

... wherein said digital means operates on the PWM device to discontinuously modify the value of the duty cycle of the square wave signal only when the value of a signal on the load is lower or higher than a prefixed value range.

This limitation is neither suggested nor disclosed by *Chen*. Claims 2-17 are also patentably distinguishable over *Chen*, being dependent upon allowable claim 1.

C. Rejection of Claims 18-20 under 35 USC § 102(b) Addressed.

Claims 18-20 stand rejected under 35 U.S.C. § 102(b) as anticipated by *Watanabe et al* (US Patent No. 5,705,920). The rejection of claims 18-20, as applied to amended claims 18-20, is respectfully traversed.

Claim 18 has been amended to more properly claim the invention. No new matter has been added to claim 18. Clear support for the amendment to claim 18 is found in the specification, inter alia, at page 5, lines 17-18 and in the drawings figures, particularly square wave "D" of FIG. 6b.

Claim 18 is allowable over *Chen*, as *Chen* neither teaches nor suggests the added limitation to claim 18:

... wherein said PWM circuit provides a square wave signal having a discontinuously modified duty cycle value only when the value of a signal on the load is lower or higher than a predetermined value range.

Claims 19-20 are also deemed to be allowable as depending from an allowable base claim.

D. Conclusion.

The application is now believed to be in form for allowance, and such action is respectfully requested.

A check in the amount of \$790.00 is enclosed for the large entity RCE fee. Please charge any other fees associated with this filing to Deposit Account No. 50-1123. Please contact the undersigned by telephone should any issues remain.

Respectfully submitted,

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